

5

the coil spring 48. Thereupon, also the rack 52 is moved to its advanced position. Since the pinions 54 are held in meshing engagement with the rack 52, they are rotated in the clockwise direction around the shafts 26 and the baffles 24 are pivoted to the second position in which they are inclined approximately by 45 degrees with respect to the top face of the body 14. In this state, sound from the speaker 8 is reflected forwardly by the baffles 24 as indicated by an arrow S in FIG. 8, and an operator of the personal computer can listen to sound having superior sound quality.

Referring to FIGS. 9 and 10, there are shown sectional views of a third embodiment of the present invention. FIG. 9 shows a sectional view in a condition wherein the display unit 18 is closed and FIG. 10 shows another sectional view in another condition wherein the display unit 18 is open. In the present embodiment, a torsion spring 58 for biasing each baffle 24 in an opening direction is mounted on the shaft 26 of the baffle 24. Accordingly, in a condition wherein the display unit 18 is closed on the body 14, the baffles 24 are pivoted to their first position in which they substantially closes up openings 22 by the weight of the display unit 18.

In the condition wherein the display unit 18 is opened from the body 14 as seen in FIG. 10, since the shafts 26 are rotated in the clockwise direction by the biasing forces of the torsion springs 58, the baffles 24 are pivoted to their second position in which they are inclined approximately by 45 degrees with respect to the top face of the body 14. In this condition, since sound from the speaker 8 is reflected forwardly (leftwardly in FIG. 10) by the baffles 24, an operator of the notebook personal computer can listen to sound of high sound quality from which no sound component has been removed.

Since the present invention is constructed in such a manner as described in detail above, it exhibits an effect that a portable information processing apparatus which is improved in acoustic effect can be provided without sacrificing the compact configuration.

What is claimed is:

1. An information processing apparatus, comprising:

a body having an opening at a top wall thereof;
a display unit mounted for pivotal motion on said body;
a speaker fixedly mounted in an upwardly directed condition in said body;

an opening and closing member mounted for pivotal motion between a first position in which said opening and closing member substantially closes up said opening and a second position in which said opening and closing member is inclined by a predetermined angle with respect to said top wall of said body; and
means operatively connected with said display unit for positioning said opening and closing member to the first position when said display unit is closed and positioning said opening and closing member to the second position when said display unit is opened.

2. An information processing apparatus, comprising:

a body having an opening at a top wall thereof;
a display unit mounted for pivotal motion on said body;
a speaker fixedly mounted in an upwardly directed condition in said body;

a baffle mounted for pivotal motion between a first position in which said baffle substantially closes up said opening and a second position in which said baffle is inclined by a predetermined angle with respect to said top wall of said body; and

means operatively connected with said display unit for positioning said baffle to the first position when said

6

display unit is closed and positioning said baffle to the second position when said display unit is opened.

3. A portable information processing apparatus, comprising:

a body having an opening at a top wall thereof;

a display unit mounted for pivotal motion on said body;

a speaker fixedly mounted in an upwardly directed condition in said body below said opening;

a baffle mounted in said opening for pivotal motion between a first position in which said baffle substantially closes up said opening and a second position in which said baffle is inclined by a predetermined angle with respect to said top wall of said body;

a guide member mounted for linear movement between an advanced position and a retracted position in said body;

biasing means for biasing said guide member to the advanced position;

a first engaging projection secured to said display unit for engaging, when said display unit is closed on said body, with said guide member to move said guide member to the retracted position against a biasing force of said biasing means; and

motion conversion means for converting linear motion of said guide member into pivotal motion of said baffle to move said baffle to the first position when said guide member is moved to the retracted position but moves said baffle to the second position when said guide member is moved to the advanced position.

4. A portable information processing apparatus according to claim 3, wherein said motion conversion means includes a flange secured to said baffle and having an elongated hole therein, and a pin secured to said guide member and inserted in said elongated hole.

5. A portable information processing apparatus according to claim 3, wherein said motion conversion means includes a rack secured to said guide member, and a pinion secured to said baffle and held in meshing engagement with said rack.

6. A portable information processing apparatus according to claim 3, wherein said guide member has a second engaging projection, and when said display unit is closed on said body, said first engaging projection is engaged with said second engaging projection to move said guide member to the retracted position against the biasing force of said biasing means.

7. A portable information processing apparatus according to claim 3, wherein said baffle includes a plurality of baffles mounted for pivotal motion in an aligned relationship with each other in said opening.

8. A portable information processing apparatus, comprising:

a body having an opening at a top wall thereof;

a display unit mounted for pivotal motion on said body;

a speaker fixedly mounted in an upwardly directed condition in said body below said opening;

a plurality of baffles mounted in said opening for pivotal motion between a first position in which said baffles substantially close up said opening and a second position in which said baffles are inclined by a predetermined angle with respect to said top wall of said body; and

a plurality of torsion springs for individually normally biasing said baffles toward the respective second positions, each of said torsion springs being mounted on each pivot shaft of said respective baffles;